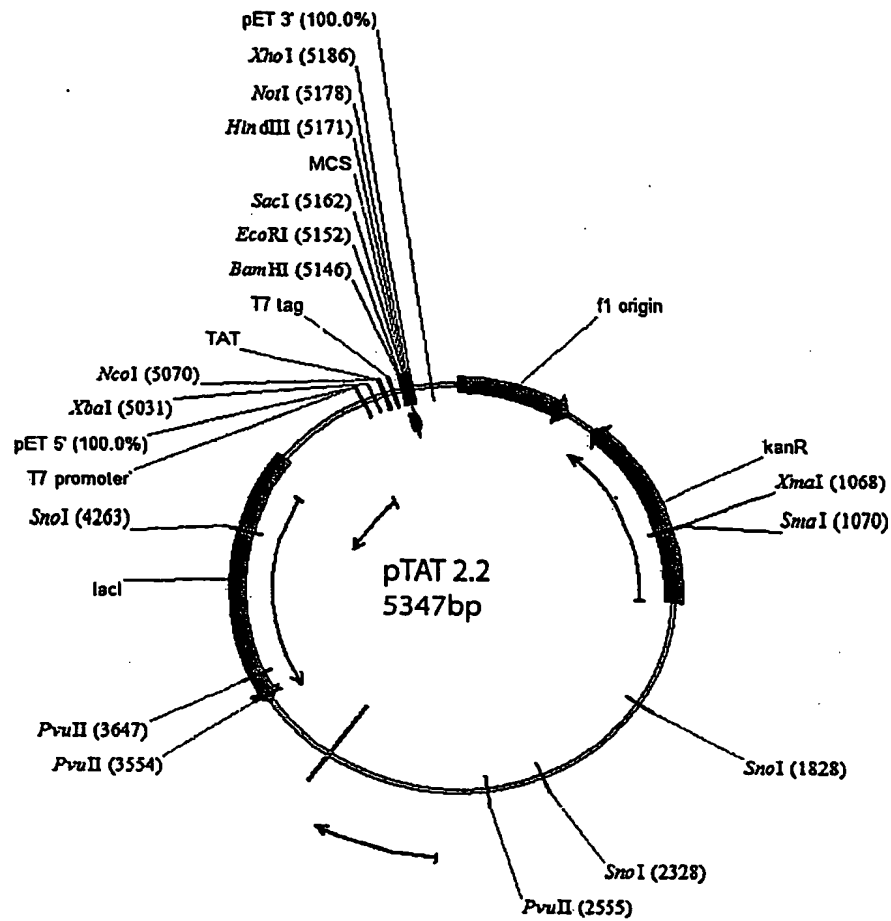
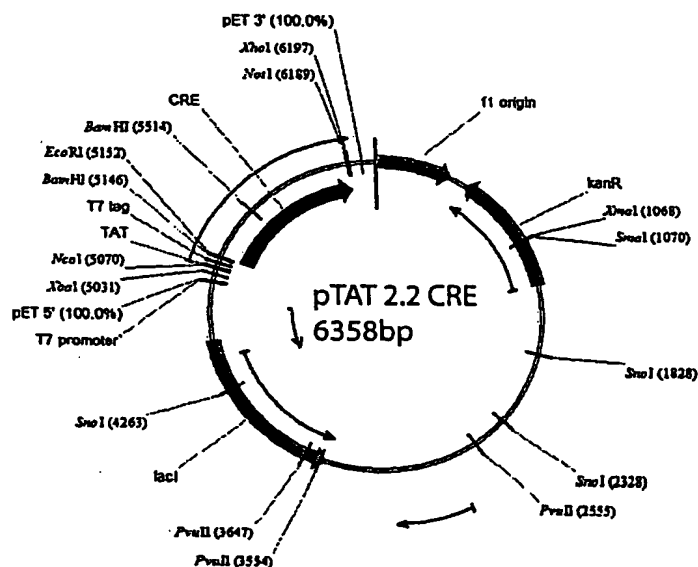


FIG. 6



T7 promoter		NotI	
pET 5' 100.0%			
4951	GCCTAGAGGA TCGAGATCTC GATCCCGCGA AATTAAATAGC ACTCACTATA GGGGAATTGT GAGCGGATTA CAATTCOCCT CTAGAAATAA		
	CGCATCTCT AGCTCTAGAG CTAGGGCCGT TTAATTATGC TGAGTGATAT CCCCTTAACA CTCGCTATT GTTAAGGGGA GAICITTTAT		
NotI		TAT	
M G R K K R R Q R R R G H M A S M T B G		T7 tag	
5041	TTTTGTTTAA CTTTAAGAAG GAGATATACC ATGGGCAGGA AGAAGCGGAG ACAGCGACGA AGAGGCCATA TGGCTAGCAT GACTGGTGGA		
	AAAACAAAT GAATCTCTC CTCTATATGG TACCCGTCCT TCTTCGCTC TGTGCTGCT TCTCCGGTAT ACCGATCGTA CTGACCACCT		
T7 tag		MCS	
EcoRI		NotI	
BamHI		SmaI	
Q Q M G R D P N S S S Y D K L A A A L E H H H H H H		(SEQ ID NO. 18)	
5131	CAGCAAAATGG GTCGGGATCC GAATTCGAGC TCCGTCGACA AGCTTCGGGC CGCACTCGAG CACCACCACC ACCACCACTG AGATCCGGCT		
	GTCGTTTACC CAGCCCTAGG CTTAAGCTCG AGGCAGCTGT TCGAACGCCG GCGTGAGCTC GTGGTGGTGG TGGTGGTGAC TCTAGGCCGA		
5221	GCTAACAAAG CCCGAAAGGA AGCTGAGTGG GCCTGTCGCA CCGCTGAGCA ATAACTAGCA TAACCCCTTG GGGCCTCTAA ACGGGTCTTG		
	CGATTGTTTC GGGCTTTCCT TCGACTCAAC CGACGACGGT GCGGACTCGT TATTGATCGT ATTGGGGAAC CCCGAGATT TGCCAGAAC		
pET 100.0%		(SEQ ID NO. 17)	

FIG. 7



11/15/81  
K1F 258

4 3212 GCGCCGTTGA TCCCGCCGAC GAGTCGTCCT GCGATGAGGA TCGAGATGCT GATTCGCGCA AATTAATGCG ACTCTGATA GCGGGAATGT GAGCGGATAA CAATTCGCCY CTAGGAATAA  
CGCGCCATY ACCGCGCGTG CTACGAGGC CGCATCTCTT AGCTCTAGAT CTAGCGCTCT TAAATATGCT TGAATGATY GCGGATAGC CTGCGCAATY GTTAGCGGGA GATCTTATY

11/15/81  
K1F 258

4 3041 TTTTGTTTAA CTTTAAGAAQ GAGATATACC ATGCGCAGGA AGAAGCGGCA ACAGCGAGGA AGAGCGCATY TCGCTAGCAT GACTGTGTA CAGCAATGTS STGCGATCT GAGTTCGAT  
AAACAAATY GAATATCTTC CTCTATATGQ TACCCTCTCT TCTTCGCTTC TGTGCTCTY TCTCGGATY ACCGATGTGA CTGACCACTY GTCTGTACAC CAGCGCTAGS CTTAAGATAC

11/15/81  
K1F 258

4 3161 TCCATATCT TACGCTGACA CCAAAATTTT CTTGATATAC CGGTGATGAC AAGCAATGAT GAGTTCGCA AGACCTGAT GAGCATCTCT AAGAGTCCG AGCGTTTTC TGAAGCATCT  
AGTTAAAG ACTGCGATCT GCTTTTAACG GAGCATATGQ CGCACTATAG TGTCTACTA CTGCAAGCTY TCTTGACTA CTGTAGACAG TCCGTAGCGS TCCGCAAGS ACTGATATGQ

11/15/81  
K1F 258

4 3281 TGGAAATGCT TGTCTGCGT TTTGCGCTG TGGCGCGAT GGTGCAATBT GATYATCGGS AATGTGTTT CCGCAGACG TGAAGATBT CCGATATCT TCTATATCT TCGAGCGCG  
ACCTTTTACG AATGATGCG ATGCGCGAC ACCCGCGTA CCACTTTTCA CTATATGCG TTTACCAAGS GCGCTTTGTS ACTTTTACAA GCGCTAATAG AGATATAGA ATTCGCGCG

11/15/81  
K1F 258

4 3401 GTCTGCGCG TAAAACTAT CAGCAAGATY TTTGCGCAC TAAACATCT TACTGTGQ TCGCGGCTG CAGCAGAGS TACGACATY GCTGTTTTC TGGTATATG GCGCATGCGY  
CGAGCGGCTY ATTTTGTATA GGTCTGTGTA AACCGGCTGS ATTTGTAGCA AGTAGACACT AGCGCGGCG CTGCTGTGA CCGCAATTT ACAAATGAC CCGTATGCG

11/15/81  
K1F 258

4 3521 AAGAAAGAG TGTATCGCGS TGAAGCTGCA AAGACGCTCT TACGCTTCA AGCGATGAT TCGACAGTA GTTCTTACT CATGAAATY AGCGATGCT CCGAGATATY AGCGATATY  
TTTCTTTTC AACTAGCGCT ACTTCGAGS TTTGTCCAGS ATCGCAAGCT TCGTACTA AACTGTGTC AAGCAATGTA GTACTTTTA TCGCTAGCGS GTCTGTATA TGCATTTAC

11/15/81  
K1F 258

4 3641 GCACTTGTG GCAATCTTA TAAACCTCT TTAGATATAG CCGAAATGCT CAGGTACAGS GTTAAAGAT TCTGACATG TCGAGTGTGQ AGAATGTGTA TCAATATGTS CAGACAGTA  
CTTAAAGAC CTATAGCAAT ATTTGTGAGC AATGATATCT GCTTTATGCS GTCTATCTC CAATTTATY AGATGCGATG ACTGCGACCC TTTTACATY AGTATATCC GTTCTGTT

11/15/81  
K1F 258

4 3761 ACGCTGTTA GCGCCGCTG TGTAGAGAG GCACTTAGCT TGGGCTATC TAACTGTGCT GAGCGATGTA TTTCTGCTC TGGTGTACT GATGATGCA ATAGCACTY GTTTTGCGY  
TGCACCAAT CTGCGCTCC AACTCTTTC CTGATATGCS ACCCGATG ATTTGAGCS CTGCTACTY AAGGCGAGS ACCGATGCA CTATAGCTY TATTTATGTA CAAGACGCG

11/15/81  
K1F 258

4 3881 GTCAAAATA ATGATGTGCG CCGCGCATCT GCGACGACCG AGCTATGAC TCGCGGCTCT GAGGGAATY TGAAGACAG TCGATGATY ATTTAGCGS CTAGAGATG CTGTGCTG  
GATCTTTT TACGACAGS GCGGATGTA CCGTGTGCGS TCGATATGTY ACCGCGACCG CTCTGTAA AACTCTGTS ATATGATGAC TAAATGCGS GATTTGACTY GAGGACACT

11/15/81  
K1F 258

4 4001 AGATAGCTG CTGTGTGCGS ACAGATGCG CTGTGTGAGS CCGCGGAGTA TATGCGCGCG GCTGGAATY CAATAGCGTA GATGATGCA CTGTGTGCT GAGCATGTS AATATATY  
TGTATGACC GAGACGACC TGTGTACGCG GCGACGCTCT GCGCGCTCT ATAGCGCG GATGATGCA GTATGCGCT CTATAGCTY GAGACGCGA CTGTGTGTA TTTATAGS

11/15/81  
K1F 258

4 4121 ATGAATATA CTTGTAACCT GGAATATGAA ACAGCGGCA TGTGTGCTC GCTGGAATY GCGATGCGS CCGCATGCA GCGACATGCA CAGCAACTY GAGATCGCG TGTATGAA  
TACTATATY AGCGATGTA CTTATCTACTY TGTGCGGCTY AAGACGCGGA CGACTTTTCA CCGTATGCT CTGTGTGTS GTGTGTGTA GCGATATCTY AGCTTGTGTY

11/15/81  
K1F 258

4 4241 TCCGAAAGS AGCGATGTT GCGCTGCGC AGCTGATGCT ATAGCTGCT ATAGCTGCT AGCTGATY GCGGTTTCT TGTGAAATY GCGATATCTY AGCTTGTGTY  
TCCGCTTTTC TGTACTGAA CCGACGCGCG TCGGATGCT TATTAATGCS TATGCGGTA CCGCGGATY TTTGCGGGA CTCCGCAAA AAGCACTTTC CTGTGTGTA TGTATGTA

11/15/81  
K1F 258

(SEQ ID NO. 21)

(SEQ ID NO. 19)

(SEQ ID NO. 20)

FIG. 8